

# SWARTHMORE COLLEGE,

1875-76.

*W. S. W.*

## TO THE STOCKHOLDERS.

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THE ANNUAL MEETING OF THE STOCKHOLDERS is held in Race Street Meeting House, Philadelphia, on the first Third-day in Twelfth month, at three o'clock, P. M. Public notice of this meeting is given in one or more newspapers published, respectively, in Philadelphia, New York, and Baltimoré.

It is desirable that Stockholders should be furnished with the Annual Catalogues, and all other publications issued by the authority of the College. This has been but imperfectly done, as we have never had the addresses of many Stockholders, and those of others have been changed since their names were entered upon the lists. That a list, corrected to date, may be kept at the College, STOCKHOLDERS ARE REQUESTED TO FORWARD TO THE PRESIDENT THEIR NAMES AND ADDRESSES IN FULL, GIVING THE POST-OFFICE, COUNTY, AND STATE.

As there is a scarcity of Catalogues of former years, Stockholders having copies in their possession, will oblige by forwarding them to the College.

SWARTHMORE COLLEGE



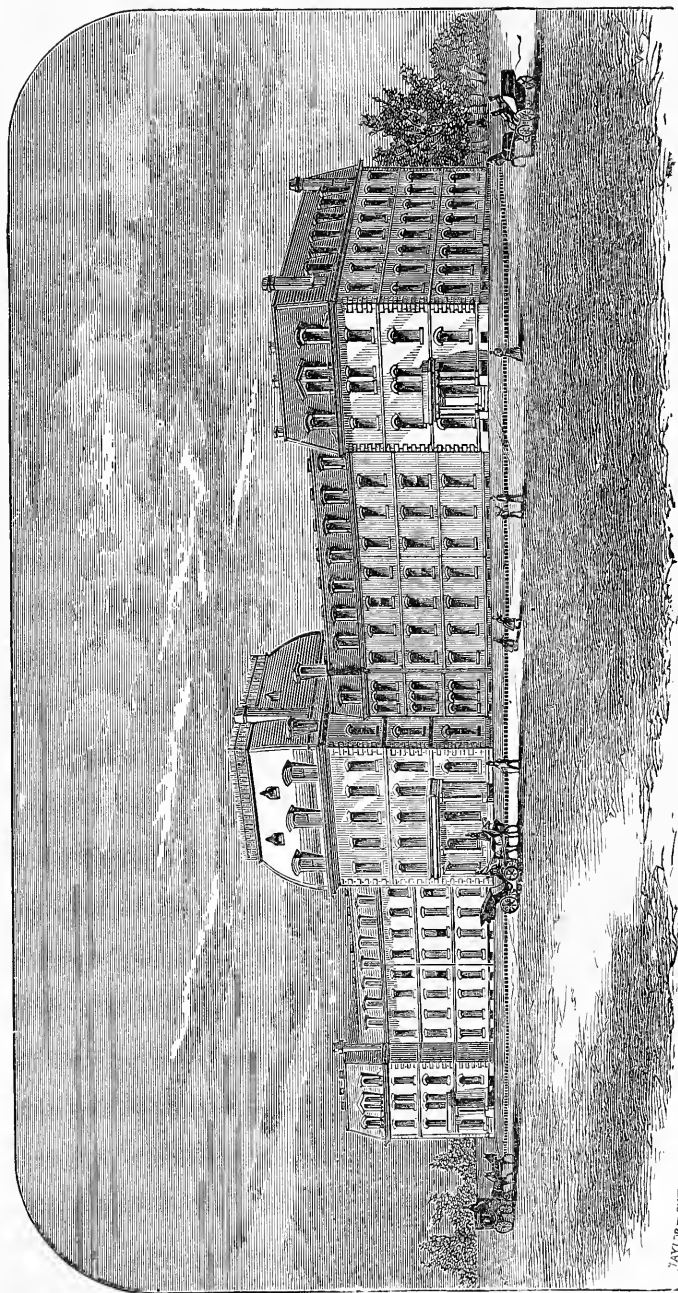
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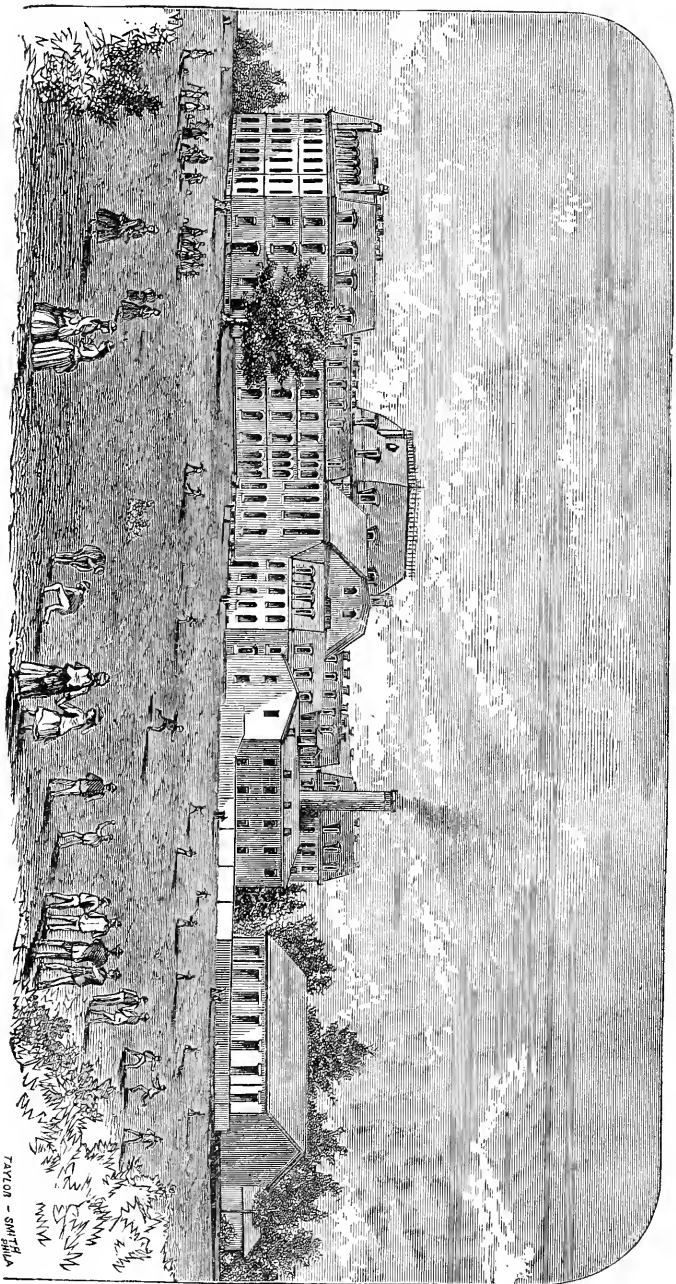
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TAYLOR - SMITH  
PHILA.

SWARTHMORE COLLEGE, DELAWARE COUNTY, PA.

[FRONT VIEW.]



SWARTHMORE COLLEGE, DELAWARE COUNTY, PA.

[REAR VIEW.]

TAYLOR - SMITH

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*First Edition Under New Management*

SEVENTH  
ANNUAL CATALOGUE  
OF  
SWARTHMORE COLLEGE,  
SWARTHMORE, PA.  
1875-76  
WITH MINUTES OF THE  
TWELFTH ANNUAL MEETING  
OF THE  
STOCKHOLDERS.



PHILADELPHIA:  
FRIENDS' BOOK ASSOCIATION, 706 ARCH STREET,  
1875.

# CALENDAR.

1875-76.

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1875.	Sixth month 15th,	Third-day,	COMMENCEMENT.
"	Sixth month 16th,	Fourth-day,	Summer Vacation begins.
"	Eighth month 31st,	Third-day,	Examinations for admission begin.
"	Ninth month 2d,	Fifth-day,	Examinations for admission completed, and old students return.
"	Ninth month 3d,	Sixth-day,	Regular Exercises begin.
"	Ninth month 14th,	Third-day,	Meeting of the Board of Managers.
"	Twelfth month 6th,	Second-day,	Meeting of the Board of Managers.
"	Twelfth month 7th,	Third-day,	Annual Meeting of the Stockholders.
"	Twelfth month 7th,	Third-day,	Meeting of the Board of Managers.
"	Twelfth month 23d,	Fifth-day,	Holidays begin.
1876.	First month 3d,	Second-day,	Students return.
"	First month 4th,	Third-day,	Regular Exercises begin.
"	Second month 8th,	Third-day,	Meeting of the Board of Managers.
"	Fifth month 8th,	Second day,	Senior Examinations begin.
"	Fifth month 16th,	Third-day,	Senior Examinations completed, the result announced, and parts for Commencement assigned.
"	Sixth month 12th,	Second-day,	Annual Examinations begin.
"	Sixth month 19th,	Second-day,	Annual Examinations completed, and the result announced.
"	Sixth month 19th,	Second-day,	Meeting of the Board of Managers.
"	Sixth month 20th,	Third-day,	COMMENCEMENT.
"	Sixth month 21st,	Fourth-day,	Summer Vacation begins.
"	Ninth month 12th,	Third-day,	Meeting of the Board of Managers.
"	Ninth month 12th,	Third-day,	Examinations for admission begin.
"	Ninth month 14th,	Fifth-day,	Examinations for admission completed, and old students return.
"	Ninth month 15th,	Sixth-day,	Regular Exercises begin.
"	Twelfth month 4th,	Second-day,	Meeting of the Board of Managers.
"	Twelfth month 5th,	Third-day,	ANNUAL MEETING OF STOCKHOLDERS.
"	Twelfth month 5th,	Third-day,	Meeting of the Board of Managers.
"	Twelfth month 24th,	Sixth-day,	Holidays begin.
1877.	First month 2d,	Third-day,	Students return.
"	First month 3d,	Fourth-day,	Regular Exercises begin.



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INSTRUCTOR IN FREE-HAND DRAWING.

KATHARINE L. ROCKWELL,  
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#### CLASSICAL SECTION.

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MAGILL, EUDORA . . . . .	Swarthmore.
McILVAIN, EMMA . . . . .	Philadelphia.
MITCHELL, EDWIN, JR. . . . .	Philadelphia.
PRICE, LUCY . . . . .	West Chester.
SMYTH, HERBERT WEIR . . . . .	Wilmington, Del.
WILLITS, MARY . . . . .	Maiden Creek.

#### SCIENTIFIC SECTION.

BASSETT, FRANK LIPPINCOTT . . . .	Salem, N. J.
McCLURE, JAMES TRAQUAIR . . . . .	Philadelphia.
SMEDLEY, ISAAC GARRETT . . . . .	Willistown.
WORTH, WILLIAM PENN. . . . .	Coatesville.

### JUNIOR CLASS.

#### CLASSICAL SECTION.

CORSON, NORMAN BENJAMIN . . . .	Norristown.
LUKENS, JOSEPH PAUL . . . . .	Newport, Del.
NORTON, JESSE ROWLAND . . . . .	Ironton, O.
PEARSON, JAMES . . . . .	Mercer.
WILLIAMS, CARROLL R. . . . .	New Hope.
YEATMAN, MARIE FLORENCE . . . . .	Fairville.
ZAHNISER, CHARLES MCGILL . . . .	Sharon.

## JUNIOR CLASS.

## SCIENTIFIC SECTION.

ALLDERDICE, WILLIAM HILLARY, JR.	Philadelphia.
BUNTING, JOSEPH TURNPENNY	Philadelphia.

## SOPHOMORE CLASS.

## CLASSICAL SECTION.

BURR, CAROLINE ELIZABETH	Germantown.
DAVIS, MAYBELL PAULINA	Providence, R. I.
DAWSON, HOWARD	Plainfield, N. J.
GLEIM, TACY ASHMEAD	Lebanon.
HALLOWELL, MARY PAUL,	Horsham.
HAWKINS, CHARLES AUGUSTINE	Fawn Grove.
HUNT, REBECCA SMITH	Philadelphia.
JACKSON, ANNA ELIZABETH	Kennett Square.
JONES, ABBIE CONRAD	Conshohocken.
LAING, KATHARINE MOORE	Philadelphia.
MARTIN, EDWARD	Philadelphia.
MULFORD, ELLA	Millville, N. J.
SHARP, BENJAMIN,	Nantucket, Mass.
THOMPSON, HANNAH B.	Salem, N. J.
WILLETS, ISAAC D.	Flushing, L. I.

## SOPHOMORE CLASS.

## SCIENTIFIC SECTION.

BIDDLE, MARTHA CANBY	Philadelphia.
DEACON, GEORGE HARTLEY	Mount Holly, N. J.
HALL, WILLIAM JOHN	West Chester.
HATCH, CHARLES EDWARD LEX	Titusville.
HOLCOMB, WILLIAM PENN	Newtown.
JOHNSON, LLEWELLYN HASKELL	Orange, N. J.
PALMER, FRANCIS JACKSON	Brooklyn, L. I.
ROBERTS, ISRAEL	Fellowship, N. J.
SEAMAN, WILLIAM	Brooklyn, L. I.
SHOEMAKER, CHARLES HARRY	Philadelphia.
WHITE, JOSEPH WEAVER	Philadelphia.



## FRESHMAN CLASS.

## CLASSICAL SECTION.

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BUNTING, HARRY MULFORD . . .	Philadelphia.
DORSEY, FRANCES . . . . .	Baltimore, Md.
FENDER, WILLIAM PRESTON . . .	Ralston.
FERRIS, WILLIAM LEA . . . . .	Wilmington, Del.
FITCH, JOSEPH . . . . .	Flushing, L. I.
FRAME, CATHARINE DAVIS . . .	Flushing, L. I.
FRENCH, KATIE HANSELL . . . .	Philadelphia.
FURNAS, ELIZABETH . . . . .	Waynesville, O.
HAINES, FRANCENIA . . . . .	Richmond, Ind.
HALLOWELL, CARRIE . . . . .	Philadelphia.
HARRAH, BERNARDO DE SOUZA FRANK	Rio-de-Janeiro, S. A.
HOPPER, LESLEY . . . . .	Baltimore, Md.
JACKSON, JOSEPHINE . . . . .	Jericho, L. I.
KEMP, MARIE ANTOINETTE . . . .	Harrisburg.
KIRK, MARY . . . . .	Bryn Maur.
LEISENRING, WALTER . . . . .	Upper Lehigh.
LLOYD, CHARLES WHITE . . . . .	Philadelphia.
PANCOAST, WILLIAM TEST . . . .	San Antonio, Texas.
PASSMORE, MARY CATHERINE . . .	West Chester.
PAULIN, AMÉLIE ANTOINETTE . . .	Swarthmore College.
RHOADS, JACOB ZIMMERMAN . . .	Pine Grove.
WHITE, JOSEPHINE . . . . .	Yardleyville.
WILLETS, HANNAH . . . . .	Jericho, L. I.
WOODNUTT, ABBIE MORGAN . . . .	Richmond, Ind.

## FRESHMAN CLASS.

## SCIENTIFIC SECTION.

BASSETT, CLEMENT . . . . .	Salem, N. J.
CADWALLADER, JOHN SEYMOUR . . .	Yardleyville.
COLES, ISAAC RICHARD . . . . .	Glen Cove, L. I.
LEEDS, CHARLES STARR . . . . .	Richmond, Ind.
LIPPINCOTT, ELISHA EDEN . . . .	Long Branch, N. Y.
LLOYD, MORRIS . . . . .	Philadelphia.
MARCHER, ROBERT JAMES . . . . .	High Bridge, N. Y.
MILLER, CHARLES ROBERT . . . .	North Point.
PIERCE, HENRY . . . . .	Pawling, N. Y.

## STUDENTS PURSUING IRREGULAR OR PARTIAL COURSES.

BAKER, ARTHUR ERNEST . . . . .	Toledo, Ohio.
HAINES, SEAMAN WILLETS . . . . .	Poplar Ridge, N. Y.
HALL, ESTELLE . . . . .	West Chester.
HEYER, CHARLES HENRY . . . . .	Johnstown.
KETCHAM, WALTER ERNEST . . . . .	Toledo, Ohio.
LEISENRING, ALBERT CONRAD . . . . .	Upper Lehigh.
SEARING, ADOLPHUS HAWXHURST . . . . .	Sherwood, N. Y.
SECOR, ARTHUR JOSEPH . . . . .	Toledo, Ohio.

## SUMMARY.

## CLASSICAL DEPARTMENT.

Senior Class . . . . .	9
Junior Class . . . . .	7
Sophomore Class . . . . .	15
Freshman Class . . . . .	25
	<hr/>
	56

## SCIENTIFIC DEPARTMENT.

Senior Class . . . . .	4
Junior Class . . . . .	2
Sophomore Class . . . . .	11
Freshman Class . . . . .	9
	<hr/>
	26
Students pursuing an Irregular or Partial Course, . . . . .	8
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Total, . . . . .	90

# CLASSICAL DEPARTMENT.

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## FACULTY OF INSTRUCTION.

- EDWARD H. MAGILL, A. M., *President.*  
PROFESSOR PAULIN, *Latin and French.*  
PROFESSOR SANFORD, *History.*  
PROFESSOR APPLETON, *Greek and German.*  
PROFESSOR CUNNINGHAM, *Mathematics.*  
PROFESSOR GREEN, *Physics.*  
PROFESSOR BARTLEY, *Chemistry.*  
PROFESSOR LEIDY, *Zoology, Comparative Anatomy, Comparative Physiology, Mineralogy, and Geology.*  
PROFESSOR THOMAS, *English Literature.*  
SUSAN W. JANNEY, *Instructor in Botany.*  
MARY L. AUSTIN, *Instructor in Latin.*  
ELIZABETH PAULIN, *Instructor in French.*  
L. MARIA C. PIERCE, *Instructor in German.*

## CONDITIONS OF ADMISSION.

Every applicant for admission must submit to the President satisfactory testimonials of good moral character; and students coming from another college must present certificates of honorable dismissal from the institution left.

Examinations for admission will be held on Third-, Fourth- and Fifth-days, the 12th, 13th and 14th of Ninth month, 1876. Candidates must present themselves at the college at two o'clock, P. M., on Third-day, the 12th of Ninth month.

To secure places, applications for admission for the next scholastic year should be made, as early as possible, by letter to the President.

Candidates for admission to the Freshman Class will be examined on the following subjects and text-books, or their equivalents:

**Latin.**—Harkness's Grammar; Harkness's Reader; Harkness's Composition, first thirty lessons; Cæsar's Gallic War, first three books; and Virgil's *Æneid*, first two books.

**French.**—Magill and Paulin's First Lessons; Magill's Grammar Magill's Introductory Reader.

**Mathematics.**—Arithmetic; Algebra, to Equations of the Second Degree; Davies' Legendre's Geometry, first three books.

**English.**—English Grammar and Spelling; Modern Geography, Descriptive and Physical; Ancient Geography (Baird's Classical Manual); Physics (Rolfe and Gillet's Natural Philosophy); Barnes's History of the United States; Anderson's History of England; Smith's History of Greece.

Candidates for advanced standing must first be examined for admission to the Freshman Class; then in all the *required* studies already gone over by the class for which they offer themselves, and in as many *elective* studies as they would have pursued if they had entered at the beginning of the course.

Especial attention is called to the importance of a thorough preparation in the studies required for admission. The want of this is a serious source of embarrassment to future progress, and is rarely repaired by subsequent study. The work is arranged for those only who enter the classes thoroughly prepared.

Students are not considered as regular members of the College until, after a residence of at least four months, they have been admitted to matriculation on satisfactory evidence of good moral character. Before this they are students on probation.

### COURSE OF STUDY.

The course of study in this department has been very carefully arranged with reference to *general culture*; and it is also believed to be the best foundation for a subsequent technical course of education, in any department which may be chosen. Those whose time and means will permit are earnestly advised to add to this course, after graduation, the last two years of one of the departments of our scientific course. It will be observed that a due proportion of scientific studies are introduced as essential parts of the classical course.

The MODERN CLASSICAL COURSE, for completing which the degree of BACHELOR OF LITERATURE is conferred, is the same as the following, except that a fuller course in Modern Languages, and one in Anglo-Saxon, may be substituted for the Ancient Languages.

The studies of each class in any course are among the electives for students *of that class* in any other course, if they are prepared to pursue them, and pass the necessary preliminary examination.

## FRESHMAN CLASS.

	<i>No. of Ex. per week.</i>
Latin.—Harkness's Grammar and Latin Prose Composition ; Virgil's <i>Æneid</i> , Books III., IV.; Livy, Book XXI - - -	4
French.—Magill's Grammar ; <i>Siège de la Rochelle</i> - - -	2
German.—Otto's Conversation Grammar ; <i>Der Neffe als Onkel</i> -	3
Mathematics.—Olney's Algebra, through Quadratic Equations ; Davies' Legendre's Geometry, Books IV.–VI. - - -	3
History.—Liddell's History of Rome ; Schmitz's Manual of An- cient History ; Student's Gibbon. - . - - -	3
Natural History.—Zoology ; Comparative Anatomy : Compara- tive Physiology (Lectures) - - - - -	1
Elocution.—Murdock and Russell's Vocal Culture ; Coates's Speaker ; Selections from English Classical Authors ; De- clamations - - - - -	1
Rhetoric and Composition.—Hart's Rhetoric ; Essays - - -	2

## ELECTIVE STUDIES.

Greek.—Goodwin's Grammar ; Boise's Xenophon's <i>Anabasis</i> , Books I.–II. - - - - , - - - -	4
English Literature.—Cleveland's English Literature of the Nineteenth Century ; Cleveland's Compendium of Amer- ican Literature ; Cleveland's Compendium of English Lit- erature - - - - -	2

## SOPHOMORE CLASS.

	<i>No. of Ex. per week.</i>
<b>Latin.</b> —Harkness's Grammar and Latin Prose Composition; Cicero's Orations; Livy, Book XXII - - - -	4
<b>French.</b> —Magill's Grammar Fénelon's <i>Télémaque</i> ; Dumas' Napoléon - - - - -	2
<b>German.</b> —Otto's Conversation Grammar; Wilhelmi's <i>Einer muss heirathen</i> ; Lessing's <i>Minna von Barnhelm</i> - -	3
<b>Mathematics.</b> —Chauvenet's Plane Trigonometry; Davies' Le- gendre's Geometry, Books VII.—IX. - - - -	2
<b>English Literature.</b> —Lectures on English and General Litera- ture (once a week first half-year) - - - -	$\frac{1}{2}$
Shaw's Manual of English Literature and Lectures - -	2
<b>Physics.</b> —Hill's Stewart's Physics; Lectures (until 4th month, 1st.) - - - - -	2
<b>Botany.</b> —Lectures (after 4th month, 1st.) - - - -	2
<b>Natural History.</b> —Zoology; Comparative Anatomy; Compar- ative Physiology (Lectures) - - - - -	1
<b>Elocution.</b> —Selections from Classical English Authors; Decla- mations, Original and Selected - - - - -	1
<b>Rhetoric and Composition.</b> —Quackenbos's Rhetoric; Essays	1

## ELECTIVE STUDIES.

<b>Greek.</b> —Goodwin's Grammar; Boise's Xenophon's <i>Anabasis</i> , Books III., IV.; Homer's <i>Iliad</i> , Books I.—III.; Jones and Boise's Greek Prose Composition; Goodwin's Greek Moods and Tenses - - - - -	4
<b>History.</b> —Student's History of France; History of England (Lectures) - - - - -	3

JUNIOR CLASS.

	<i>No. of Ex. per week.</i>
Latin.—Horace's Odes ; Cicero's De Claris Oratoribus, De Senectute, and De Amicitia - - - - -	4
English Literature.—Lectures on English and German Literature (once a week first half-year) - - - - -	$\frac{1}{2}$
Political Economy.—Principles of Political Economy, Mill ; Carey ;—Lectures - - - - -	2
Chemistry.—Inorganic Chemistry—Lectures - - - - -	2
Natural History.—Lectures on Mineralogy and Geology (once a week last half-year) - - - - -	$\frac{1}{2}$
Elocution.—Declamations, Original and Selected - - - - -	1
Rhetoric and Composition.—Blair's Rhetoric ; Abbott's Lessons in English ; Essays - - - - -	1

ELECTIVE STUDIES.

(Two to be Chosen.)

French.—Noél and Chapsal's Grammaire Abrégée ; Fleury's Histoire de France ; Magill's Prose and Poetry - - -	4
German.—Schiller's Maria Stuart and Wilhelm Tell ; Eichen-dorff's Aus dem Leben eines Taugenichts ; Exercises in writing German - - - - -	-
Greek.—Felton's Greek Historians ; Plato's Apology and Crito	4
Mathematics.—Chauvenet's Spherical Trigonometry ; Olney's Higher Algebra - - - - -	4
History.—History of the United States (Lectures) ; History of Modern Europe (Lectures) - - - - -	2
English Literature.—Shaw's Manual of English Literature, and Lectures - - - - -	-

## SENIOR CLASS.

	No. of Ex. per week.
<b>Mental Philosophy.</b> —Wayland and Hamilton, with Lectures (once a week first half year) - - - - -	$\frac{1}{2}$
<b>Moral Philosophy.</b> —Wayland, with Lectures (once a week last half year, - - - - -	$\frac{1}{2}$
<b>Latin.</b> —Horace's Satires and Epistles; Tacitus, Agricola and Germania; Selections from Juvenal - - - - -	4
<b>History.</b> —Guizot's History of Civilization; De Tocqueville's Democracy in America - - - - -	2
<b>Natural History.</b> —Lectures on Mineralogy and Geology (once a week last half-year, - - - - -	$\frac{1}{2}$
<b>Elocution.</b> —Original Orations - - - - -	1
<b>Rhetoric and Composition.</b> —Whately's Elements; Campbell's Philosophy of Rhetoric; Essays - - - - -	1

## ELECTIVE STUDIES.

(Three to be chosen.)

<b>French.</b> —Duruy's Histoire Grecque; Duruy's Histoire Ro- maine; Voltaire's Louis XIV; Madame de Staël's L'Alle- magne; Compositions - - - - -	4
<b>German.</b> —Schiller's Geschichte des Abfalls der vereinigten Niederlande; Lessing's Emilia Galotti; Goethe's Egmont and Faust; Exercises in Writing German; History of German Literature (Lectures) - - - - -	4
<b>Greek.</b> —Sophocles' Antigone; Euripides' Alcestis; Demos- thenes' De Corona; History of Greek Literature (Lec- tures) - - - - -	4
<b>Mathematics.</b> —Olney's Analytical Geometry; Olney's Differ- ential and Integral Calculus - - - - -	4
<b>English Literature.</b> —Schlegel's Lectures on the History of Literature; Whitney's Language and the Study of Lan- guage - - - - -	2
<b>Chemistry.</b> —Experimental work in the Laboratory - - - - -	4
<b>Astronomy.</b> —Loomis's Astronomy; Chauvenet's Spherical and Practical Astronomy; Gauss's Theoria Motus - - - - -	4



# SCIENTIFIC DEPARTMENT.

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## FACULTY OF INSTRUCTION.

- EDWARD H. MAGILL, A. M., *President.*  
PROFESSOR PAULIN, *Latin and French.*  
PROFESSOR SANFORD, *History.*  
PROFESSOR BEARDSLEY, *Mechanics and Engineering.*  
PROFESSOR APPLETON, *Greek and German.*  
PROFESSOR CUNNINGHAM, *Mathematics.*  
PROFESSOR GREEN, *Physics.*  
PROFESSOR BARTLEY, *Chemistry.*  
PROFESSOR LEIDY, *Zoology, Comparative Anatomy, Comparative Physiology, Mineralogy and Geology.*  
PROFESSOR THOMAS, *English Literature.*  
SUSAN W. JANNEY, *Instructor in Botany,*  
ELIZABETH PAULIN, *Instructor in French.*  
L. MARIA. C. PIERCE, *Instructor in German.*

## CONDITIONS OF ADMISSION.

The conditions of admission to the Scientific Department are the same as those for admission to the Classical Department, except that Latin is not required, although a knowledge of Latin accidence and a sufficient knowledge of the construction to read easy Latin Prose is earnestly recommended. It is also very desirable that all applicants for admission to this department should have had at least one year's instruction in Free-hand Linear Drawing.

## COURSES OF STUDY.

The Scientific Department comprises two distinct courses, leading to two degrees; the Chemical Course and the Engineering

Course, in both of which care has been taken to secure *general culture*, and not to make students of this department merely chemists or engineers.

### CHEMICAL COURSE.

This comprises four years, and is intended to prepare students to fill positions as teachers or analytical chemists; and to provide such a general knowledge of chemical science, and its applications to the arts, for those who wish to take up the special problems of technical chemistry as will afford a good basis for their subsequent investigations.

The Laboratory has been fitted up in the most approved manner, to accommodate twenty-four students at a time; each desk being provided with running water, gas, and sink. The Laboratory is heated by steam, and furnished with hoods, sand, steam and air baths; furnaces, balances, spectroscopes, &c., suitable for carrying on all ordinary Laboratory work.

Students will be charged only for chemicals and apparatus actually used up. No charge is made for gas.

A partial course in medical chemistry has been arranged as an elective for the benefit of those who intend to study medicine after graduation.

### ENGINEERING COURSE.

This course, which, for the first two years, is identical with the chemical course, is intended to furnish a good foundation in Mathematics, Physics, Mechanics, and Drawing, for the student of Civil or Mechanical Engineering. Its graduates will be prepared to become immediately useful in the office or field, in subordinate positions, and after a fair amount of practice to design and take charge of important works. The course is also open to those students whose time is limited, and who do not intend to graduate, by whom partial courses in Surveying and Draughting can be pursued with great practical advantage.

The College is well provided with the necessary field instruments, and each student is made familiar with their uses and management. The Draughting room is well lighted from above, and is provided with the Worcester Adjustable Drawing Tables, models, drawings, &c.

A machine shop is being prepared, by means of which each student may become practically acquainted with the uses of the various tools, and learn to avoid errors in designing by being required to execute, from his own drawings, parts of structures or of mechanism.

## FRESHMAN CLASS.

No. of  
Ex. per Week.

<b>Chemistry.</b> —Inorganic Chemistry; Lectures	-	-	-	-	4
<b>Graphics.</b> —Construction of Plane Problems in Geometry; use of Drafting Instruments, India Ink, and Colors	-	-	-	-	2
<b>Mathematics.</b> —Olney's Algebra, through Quadratic Equations; Davies' Legendre's Geometry, Books IV.—VI.; Chauvenet's Plane Trigonometry	-	-	-	-	4
<b>French.</b> —Magill's Grammar; Siège de la Rochelle	-	-	-	-	2
<b>German.</b> —Otto's Conversation Grammar; Der Neffe als Onkel	-	-	-	-	3
<b>History.</b> —Liddell's History of Rome; Schmitz's Manual of Ancient History; Student's Gibbon.	-	-	-	-	2
<b>Natural History.</b> —Zoology; Comparative Anatomy; Comparative Physiology (Lectures)	-	-	-	-	1
<b>Elocution.</b> —Murdock and Russell's Vocal Culture; Coates's Speaker; Selections from English and Classical Authors; Declamations	-	-	-	-	1
<b>Rhetoric and Composition.</b> —Hart's Rhetoric; Essays	-	-	-	-	1

## SOPHOMORE CLASS.

<b>Chemistry.</b> —Laboratory practice; Qualitative Analysis—Johnson's Fresenius; Blow-pipe Analysis and Determinative Mineralogy—Elderhorst (revised);	-	-	-	-	4
<b>Descriptive Geometry.</b> —Projection Drawing; Orthographic projections of the Point, Right Line, and Plane; with Drawing, Tinting, and Shading	-	-	-	-	2
<b>Physics.</b> —Hill's Stewart's Physics, Lectures (until 4th mo. 1st.)	-	-	-	-	2
<b>Botany.</b> —Lectures, (after 4th mo. 1st.)	-	-	-	-	2
<b>Mathematics.</b> —Davies' Legendre's Geometry, Books VII.—IX.; Olney's Analytical Geometry; Olney's Differential and Integral Calculus	-	-	-	-	4
<b>French.</b> —Magill's Grammar; Fénelon's Télémaque; Dumas' Napoléon	-	-	-	-	2

	<i>No. of Ex. per week.</i>
<b>German.</b> —Otto's Conversation Grammar; Wilhelm's Einer muss heirathen - - - - -	3
<b>English Literature.</b> —Lectures on English and General Literature (once a week first half year) - - - - -	$\frac{1}{2}$
Shaw's Manual of English Literature, and Lectures - - -	2
<b>Natural History.</b> —Zoology; Comparative Anatomy; Comparative Physiology (Lectures) - - - - -	1
<b>Elocution.</b> —Selections from Classical English Authors; Declamations, Original and Selected - - - - -	1
<b>Rhetoric and Composition.</b> —Quackenbos's Rhetoric; Essays - -	1

## JUNIOR CLASS.

*I. Chemical Course.*

<b>Chemistry.</b> —Quantitative Analysis; Mineral Analysis; Spectrum Analysis; Blow-pipe Analysis (Lectures) - - -	12
<b>Physics.</b> —Acoustics; Optics; Heat; Electricity - - -	4
<b>Mathematics.</b> —Chauvenet's Spherical Trigonometry; Olney's Higher Algebra - - - - -	4
<b>Political Economy.</b> —Principles of Political Economy; Mill; Carey;—Lectures - - - - -	1
<b>Natural History.</b> —Lectures on Mineralogy and Geology (once a week last half year) - - - - -	$\frac{1}{2}$
Essays upon Chemical Subjects	

*II. Engineering Course.*

<b>Engineering.</b> — <i>Geodesy</i> —Theory, Adjustment, and use of Engineering Field Instruments; Farm Surveying; Leveling; Topographical, Triangular, and Hydrographical Surveying - - - - -	2
<b>Mechanics.</b> —Analytical Mechanics of Solids and Fluids - - -	2
<b>Physics.</b> —Acoustics, Optics, Heat, Electricity - - - - -	4
<b>Descriptive Geometry.</b> —Warped Surfaces and Intersections; Shades, Shadows, and Perspective; with Drawing and Applications - - - - -	4
<b>Graphics.</b> —Topographical, Structure, and Machine drawing; Principles of Mechanism; Visits to and Sketches of Special Machinery and Structures - - - - -	4
<b>Mathematics.</b> —Chauvenet's Spherical Trigonometry; Olney's Higher Algebra - - - - -	4

Political Economy.—Principles of Political Economy; Lec- tures - - - - -	1
Natural History.—Lectures on Mineralogy and Geology (once a week last half year) - - - - -	$\frac{1}{2}$
Practical Exercises in Engineering Field Work; Essays upon, and Sketches of Structures and Machines.	

## SENIOR CLASS,

## I. Chemical Course.

Chemistry.—Quantitative Analysis Continued; Volumetric Analysis; Organic Analysis; Special Determinations; Assaying Chemical Preparations - - - - -	16
Mental Philosophy.—Wayland and Hamilton, with Lectures, (once a week first half year) - - - - -	$\frac{1}{2}$
Moral Philosophy.—Wayland, with Lectures (once a week last half year) - - - - -	$\frac{1}{2}$
Natural History.—Lectures on Mineralogy and Geology (once a week last half year) . - - - - -	$\frac{1}{2}$
Essays upon original work and general chemical subjects.	

## II. Engineering Course.

Engineering.— <i>Road Engineering</i> .—Theory and Practice; <i>Con- structions</i> —Stability of Structures, Building Materials, Foundations and Superstructures, Bridge Engineering; -	4
Mechanics.— <i>Physical Mechanics</i> —Friction and other resis- tances, Stress and Strength of Materials, Practical Hy- draulics, Practical Pneumatics; <i>Machines</i> —General The- ory of Machines, Theory of Prime Movers - - - - -	4
Graphics.—Plans, Profiles and Sections of Road Surveys; Ma- chine and Structural Drawing - - - - -	8
Mental Philosophy.—Wayland and Hamilton, with Lectures (once a week first half year) - - - - -	$\frac{1}{2}$
Moral Philosophy.—Wayland, with Lectures (once a week last half year) - - - - -	$\frac{1}{2}$
Natural History.—Lectures on Mineralogy and Geology (once a week last half year) . . . . .	$\frac{1}{2}$
Practical Exercises in Field Work.—Essays and Reports upon Machines, Structures and Processes.	

# DEGREES.

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THE Degree of A. B. is conferred upon students who complete the Classical Course, and pass the examinations in the same.

The Degree of B. L. is conferred upon students who complete the Modern Classical Course (see P. 15), and pass the examinations in the same.

The Degree of B. S. is conferred upon students who complete either of the Scientific Courses, and pass the examinations in the same.

The Degree of A. M. will be given, three years after graduation, to all Bachelors of Arts who shall have engaged, during that period, in professional or literary studies, and who shall present an acceptable thesis.

The Degree of M. L. will be given, three years after graduation, to all Bachelors of Literature who shall have engaged, during that period, in professional or literary studies, and who shall present an acceptable thesis.

The Degree of M. S. will be given, three years after graduation, to all Bachelors of Science of the Chemical Course who shall have engaged, during that period, in professional or scientific studies, and who shall present an acceptable thesis upon subjects pertaining to Chemistry or Physics.

The Degree of C. E. will be given, three years after graduation, to all Bachelors of Science of the Engineering Course who shall have engaged, during that period, in professional or scientific studies, and who shall present an acceptable thesis upon subjects pertaining to Civil Engineering.

Applications for the Second Degree in any course must be made, and the thesis presented at least three months before commencement.

The Second Degrees will also be conferred upon those Bachelors of Arts, of Literature, or of Science who, as Resident Graduates, shall continue their studies under the advice and direction of the Faculty for one year after graduation, and pass the examinations in the same.

## GENERAL INFORMATION.

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### *SITUATION.*

SWARTHMORE COLLEGE is situated on the West Chester and Philadelphia Railroad, ten miles from Philadelphia. Cars leave the depot at Thirty-first and Chestnut Streets, West Philadelphia, ten times daily.

### *POST-OFFICE ADDRESS AND CITY OFFICE.*

The Post-Office address is SWARTHMORE, DELAWARE CO., PA. Express packages may be sent to this address, or, *if small*, may be left in care of Friends' Book Association, 706 Arch Street, Philadelphia.

### *LIBRARIES.*

The Libraries of the College now contain over two thousand volumes. Each department of study is supplied with a good and steadily increasing library of reference. The General Library is accessible to all the students, according to the rules established by the Faculty, and is open once a week during term-time for the delivery of reading books, and daily for the delivery of books of reference needed by the students. It is open at all times to teachers and members of the household.

Friends' Historical Library of Swarthmore, founded by Anson Lapham, which contains a small but increasing collection of Friends' books, photographs of representative Friends, and manuscripts relating to the Society and its history, is at all times accessible to teachers, students, and members of the household.

### *PHYSICAL CULTURE.*

Regular daily exercise in the open air is required of all the students, for which the extensive grounds connected with the College afford ample facilities. The gymnasium, which is well supplied with

suitable apparatus, is open every day for the voluntary exercise of the boys. It is devoted to the exclusive use of the girls at certain hours daily, and they should be provided with dresses suitable for this purpose. Their exercises here consist almost entirely of the so-called *light* gymnastics, and can be safely and profitably undertaken by any one in good health. All are advised and encouraged to avail themselves of the privileges of the gymnasium.

### RELIGIOUS EXERCISES.

While care is taken to inculcate the doctrine that religion is a matter of practical daily life, and is not confined to the observance of set forms or the promulgation of religious tenets, the regular assembling for religious purposes is carefully observed. On First-day morning a religious meeting is held, attended by students, teachers, and members of the household, and occasionally by visiting Friends. The meeting is preceded by First-day school exercises, consisting of the recitation of passages of Scripture prepared by members of the different classes, and the reading of a portion of Scripture selected for the exercises of the following week. The daily exercises are opened by a general meeting for reading selected portions of Scripture, or other suitable books, and imparting such moral lessons as circumstances seem to require, followed by a period of silence before entering upon the duties of the day.

### VISITING AND LEAVE OF ABSENCE.

Parents and guardians are especially requested not to visit their children at the College on the FIRST DAY OF THE WEEK nor to ask permission for them to leave the College more than once a month.

Leave of absence cannot be granted without a written request of parents or guardians, while requests should, in all cases, be accompanied by reasons satisfactory to the Faculty.

Students may be visited, on week-days, by parents or guardians, or by near relatives or others approved by parents or guardians; but general visiting is discouraged. *Students must not be interrupted in their studies or recitations at any time.*

All persons who are interested in education, and who are desirous of examining the methods of instruction and discipline at Swarthmore, will always be welcome, and should, when convenient, visit the institution between the hours of 8 A. M. and 12 M.



### COMMENCEMENTS AND VACATIONS.

The College year begins on the second Third-day of Ninth month, and closes with Commencement day, which occurs on the third Third-day of Sixth month.

Students are not admitted for a period terminating earlier than the current college year, but, when vacancies exist, may enter at any time during the year, if prepared to join existing classes.

Besides the summer vacation there will be a vacation of one week at Christmas.

### OUTFIT.

Although no form of dress is prescribed for either sex, such simple attire as is appropriate to school-life is earnestly recommended. Ear-rings, bracelets, necklaces, and elaborately trimmed dresses are prohibited.

Students should be supplied with six towels, six napkins, two clothes-bags, a wrapper, slippers, an umbrella, and the requisite toilet articles. Girls must also be provided with gymnasium dresses. Every article must be marked with the full name of the owner.

### USE OF TOBACCO.

The use of Tobacco being strictly prohibited, those addicted to its use, unless prepared to renounce it entirely, should not apply for admission.

### EXPENSES.

FOR RESIDENT STUDENTS the price of board and tuition is \$350 per year, of which \$200 is payable in advance, and \$150 on the first of First month. A proportionate deduction is made to those students who enter after the opening of the college year.

FOR DAY SCHOLARS the price is \$200 per year, of which one-half is payable in advance, and the remainder on the first of First month. The day scholars dine with the resident students.

Books are furnished for the use of students without expense, but they buy their own stationery and drawing implements. Students in Practical Chemistry pay for the chemicals which they use in the laboratory. No additional charge is made in case of sickness unless extra expense is incurred.

THERE ARE NO EXTRA CHARGES.

The price being made as low as experience shows to be compatible with prudence, while many of our expenses are annual in their character, and teachers and other officers, at fixed yearly salaries, must be engaged in proportion to the students entered, we cannot, in case of withdrawals, return the full proportionate amount paid without loss. When the connection of a student with the College shall terminate before the end of the period for which payment has been made, by sickness, or any other cause, approved by the Faculty, the student may have the privilege of sending an approved substitute, for the unexpired term, or may apply, in writing, to the Treasurer, and a return will be made at the rate of \$25 per month, from the date of said application or written notice that the place is vacated.

#### *PAYMENTS.*

Payments are to be made by check or draft to the order of ROBERT BIDDLE, Treasurer, 511 Commerce Street, Philadelphia.

# PREPARATORY SCHOOL.

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## *GENERAL STATEMENT.*

This school is intended to prepare students for the Classical and Scientific Departments of the College, or to furnish a good practical education to those desiring a shorter course. Most of the studies pursued are required of all, but few being optional, as experience has clearly shown that young students make much more satisfactory progress when pursuing a regularly required course, even for a single year, without any idea of graduation, than when they select all their studies for themselves. The course of study in this school, while it is an essential preparation for the two departments of the College, is also believed to be the best training for those whose means and circumstances require that they should finish their studies in the Preparatory School, or before reaching the end of the College course. Attention is invited to the course of study as here arranged, and the various Preparatory Schools among Friends throughout the country are requested to conform to it, as far as practicable, and prepare students to enter our Freshman Class, either in the classical or the scientific course. To secure this end, a thorough mastery of the elementary principles of the *subject* taught, and not a mere knowledge of the text-books required, is most earnestly recommended. Subsequent study can rarely, if ever, atone for deficient preparation.

## *ORGANIZATION.*

This School is at present divided into three classes, A, B, and C. Classes A and B are divided into classical and scientific sections, preparing for these respective departments in the college.

## *GOVERNMENT AND INSTRUCTION.*

The students of the Preparatory School are under the same general management as the College classes. With a few exceptions, the same general rules are applicable to both, and the students of

this school receive instruction from teachers employed especially for this purpose, and also from professors and instructors of the College.

### *EXPENSES, ETC.*

The expenses of students of this school are the same as those of students of the College classes, and the various remarks under the head of GENERAL INFORMATION\* in the College Catalogue are applicable alike to the College and the Preparatory School.


### *CONDITIONS OF ADMISSION TO THE PREPARATORY SCHOOL.*

Applicants for admission must be at least thirteen years old, and should submit to the President, from their last teacher, satisfactory testimonials of good moral character.

Examinations for admission will be held on Third-, Fourth-, and Fifth-days the 12th, 13th, and 14th of Ninth month, 1876. Candidates must present themselves at two o'clock, P. M. on Third-day, the 12th of Ninth month. To secure places, applications for admission for the next scholastic year should be made, as early as possible, by letter to the President.

Candidates for admission to class C will be examined as follows:

In Elements of English Grammar, embracing a knowledge of the Parts of Speech, and their uses; Reading and Spelling; Geography of the United States; Arithmetic, through Decimal Fractions.

 None who are not sufficiently advanced in their studies to undergo this examination should present themselves for admission.

Candidates for the advanced classes of the Preparatory School will be further examined in the studies of the classes below that which they propose to enter.

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\*See page 25

## COURSES OF STUDY.

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The only elective studies in the Preparatory School are as follows :  
 Natural History (lectures), elective in all the classes ;  
 Latin and French, elective in Class C.

### CLASS C.

	<i>No. of Ex. per week.</i>
<b>Arithmetic.</b> —Brooks's Normal Written and Brooks's Normal	
Mental Arithmetic, through Percentage . . . . .	4
<b>Geography.</b> —Guyot's Grammar School Geography ; Map Draw-	
ing . . . . .	3
<b>Grammar.</b> —Brown's First Lines of English Grammar . . . . .	3
<b>History.</b> —United States,—Lectures . . . . .	2
<b>Reading and Speaking.</b> —Phonetic Spelling ; Enunciation of	
Words ; Monroe's Fifth Reader ; Declamations . . . . .	3
<b>Spelling.</b> —Leach's Speller, and Dictations . . . . .	2
<b>Composition</b> . . . . .	2
<b>Writing</b> . . . . .	2
<b>Free-hand Drawing</b> . . . . .	2

### *Elective Studies.*

<b>Latin.</b> —Harkness's Introductory Latin Book . . . . .	2
<b>French.</b> —Magill and Paulin's First Lessons in French . . . . .	2

## CLASSICAL DEPARTMENT OF THE PREPARATORY SCHOOL.

## CLASS B.

	<i>No. of Ex. per week.</i>
Latin.—Harkness's Grammar and Reader; Cæsar begun . . . . .	4
French.—Magill and Paulin's First Lessons in French; Magill's Introductory French Reader . . . . .	3
Arithmetic.—Brooks's Normal Written and Brooks's Normal Mental Arithmetic, completed . . . . .	3
Geography.—Warren's Physical Geography . . . . .	2
History.—Barnes's History of the United States; Anderson's History of England . . . . .	2
Reading and Speaking.—Phonetic Spelling; Enunciation of Words; Hillard's Fifth Reader; Declamations . . . . .	2
Spelling.—Leach's Speller and Dictations . . . . .	2
Composition. . . . .	1
Writing . . . . .	2
Free-hand Drawing . . . . .	2

## CLASS A.

Latin.—Harkness's Grammar; Harkness's Latin Prose Compo- sition, first thirty lessons; Cæsar's Gallic War, through Book III.; Virgil's Æneid, first two books . . . . .	4
French.—Magill's French Grammar; Magill's Introductory French Reader . . . . .	3
Mathematics.—Brooks's Algebra to Quadratic Equations; Davies' Legendre's Geometry, Books I.—III. . . . .	3
Physics.—Elementary Physics and Chemistry—Lectures . . . . .	1
Uranography.—(Twice a week first half-year) . . . . .	1
Physiology.—(Twice a week last half-year) . . . . .	1
History and Geography.—Smith's History of Greece; Baird's Classical Manual: Review of the History of the United States and England. . . . .	2
Reading and Speaking.—Hillard's Sixth Reader; Murdock and Russell's Vocal Culture; Declamation . . . . .	2
Spelling.—General Exercises upon Lists of Difficult Words; Dictations . . . . .	2
Composition. . . . .	1
Writing . . . . .	2
Free-hand Drawing . . . . .	2

## SCIENTIFIC DEPARTMENT OF THE PREPARATORY SCHOOL.

## CLASS B.

	<i>No. of Ex. per week.</i>
<b>Arithmetic.</b> —Brooks's Normal Written and Brooks's Normal Mental Arithmetic, completed . . . . .	3
<b>*English Grammar.</b> —Brown's English Grammar . . . . .	4
<b>French.</b> —Magill and Paulin's First Lessons in French; Magill's Introductory French Reader . . . . .	3
<b>Geography.</b> —Warren's Physical Geography . . . . .	2
<b>History.</b> —Barnes's History of the United States; Anderson's History of England . . . . .	2
<b>Reading and Speaking.</b> —Phonetic Spelling; Enunciation of Words; Hillard's Fifth Reader; Declamations . . . . .	2
<b>Spelling.</b> —Leach's Speller, and Dictations . . . . .	2
<b>Composition</b> . . . . .	1
<b>Writing</b> . . . . .	2
<b>Free-hand Drawing</b> . . . . .	2

## CLASS A.

<b>Mathematics.</b> —Brooks's Algebra, to Quadratic Equations; Davies' Legendre's Geometry, Book I-IV . . . . .	4
<b>Physics.</b> —Elementary Physics and Chemistry; Lectures . . . . .	1
<b>*English Grammar.</b> —Analysis and Parsing, Merchant of Venice . . . . .	4
<b>French.</b> —Magill's French Grammar; Magill's Introductory French Reader . . . . .	3
<b>Uranography.</b> —(Twice a week first half-year) . . . . .	1
<b>Physiology.</b> —(Twice a week last half-year) . . . . .	1
<b>History and Geography.</b> —Smith's History of Greece; Baird's Classical Manual; Review of the History of the United States and England . . . . .	2
<b>Reading and Speaking.</b> —Hillard's Sixth Reader; Murdock and Russell's Vocal Culture; Declamations . . . . .	2
<b>Spelling.</b> —General Exercises; Dictations . . . . .	2
<b>Composition</b> . . . . .	1
<b>Writing</b> . . . . .	1
<b>Free-hand Drawing</b> . . . . .	2

\*Latin may be substituted for English Grammar in this course, at the request of parents or guardians.

# List of Students of the Preparatory School.

## CLASS A.

### CLASSICAL SECTION

ALBERTSON, IDA . . . . .	Roslyn, L. I.
ALBERTSON, MARTHA . . . . .	Norristown.
BEDELL, ELLEN B. . . . .	Norristown.
BROOMALL, HENRY LEWIS . . . . .	Media.
BUNTING, ANNA MILLER . . . . .	Darby, Pa.
CONROW, HOWARD F. . . . .	Wilmington, Del.
CONSTABLE, ANNE ELIZABETH . . . . .	Philadelphia.
DAWSON, COLMAN . . . . .	Plainfield, N. J.
DEACON, BESSIE FITHIAN . . . . .	Mount Holly, N. J.
DUNCAN, LYDIA FRANCES . . . . .	Easton, Md.
FIELD, WILLAM D. CROMWELL . . . . .	Brooklyn, L. I.
HALL, FLORENCE . . . . .	West Chester, Pa.
HEYD, FREDERICA MAERKLIN . . . . .	Newtown.
HICKS, MARY . . . . .	Roslyn, L. I.
HILLMAN, MYRA TOWNSEND . . . . .	Washington, D. C.
HOLGATE, ELLEN JOSEPHINE . . . . .	Brooklyn, L. I.
HOUGH, EMILY LOUISE . . . . .	Swarthmore, Pa.
JOHNSON, JOSEPH WARNER . . . . .	Street Road.
KIRK, FANNY RACHEL . . . . .	Philadelphia.
KIRK, LILLIE NORMAN . . . . .	Bryn Mawr.
LAING, GEORGE TRUMAN . . . . .	Philadelphia.
MAGILL, GERTRUDE BURLEIGH . . . . .	Swarthmore.
MITCHELL, ANNA LOUISE . . . . .	Philadelphia.
MOORE, THOMAS LEGGETT . . . . .	Sandy Spring, Md.
NEEDLES, EMMA STRATTAN . . . . .	Baltimore, Md.
PRICE, EDITH MARTIN . . . . .	Chattanooga, Tenn.
ROCKFELLOW, FREDERIC . . . . .	Elizabeth, N. J.



ROWLAND, HENRY WARD BEECHER . . .	Media.
SHOEMAKER, ALVIN TOMLINSON . . .	Baltimore, Md.
SMEDLEY, HARRY LEEDOM . . . . .	Media.
SPEAKMAN, LILLIAN HARVEY . . . . .	Chester.
STARR, WILLIAM GLOVER . . . . .	Brooklyn, L. I.
TAYLOR, HELEN . . . . .	West Chester.
WALTON, ISABELLA FLORENCE . . . . .	London Grove.
WILLITS, SAMUEL . . . . .	Maiden Creek.

## CLASS A.

## SCIENTIFIC SECTION.

ASBURY, HARRY FRANCIS . . . . .	New York City.
BOWNE, RICHARD FRANK . . . . .	Glen Cove, L. I.
COCKS, MARY ANN . . . . .	Cornwall, N. Y.
DORNAN, THOMAS BENTON . . . . .	Philadelphia.
GAAR, WILLIAM WALLACE . . . . .	Richmond, Ind.
HARTRANFT, RUFUS CLINTON . . . . .	Philadelphia.
HAVILAND, CARRIE . . . . .	Brooklyn, L. I.
HIGGINS, ROBERT BARNARD . . . . .	Rockville Md.
JENKS, CHARLES THOMAS . . . . .	Philadelphia.
KEISER, EDWARD HARRISON . . . . .	Hokendauqua.
McILVAIN, EDWIN PEARSON . . . . .	Chester.
POUND, ROBINSON . . . . .	Plainfield, N. J.
PRICE, HARRIE BERTSCH . . . . .	Upper Lehigh.
SPEAKMAN, JOSEPH HARVEY . . . . .	Chester.
STELWAGON, WEIGHTMAN . . . . .	Philadelphia.
THORNE, HOWARD ELLSWORTH . . . . .	Yonkers, N. Y.
WALKER, CHARLES PLATT . . . . .	New York City.
WOOD, HENRY SHOTWELL . . . . .	Bristol.

## CLASS B.

## CLASSICAL SECTION.

ALBERTSON, CARRIE . . . . .	Roslyn, L. I.
BAKER, RICHARD DOWNING . . . . .	Philadelphia.
BOND, ALFRED HUIDEKOPER . . . . .	Philadelphia.
BRADFIELD, JESSIE VIRGINIA . . . . .	Philadelphia.
BRADLEY, WILLIAM MORSE . . . . .	Germantown.
BURR, WALTER LINCOLN . . . . .	Germantown.
CLAYTON, SAMUEL LODGE . . . . .	Chester.

DALLETT, ELIZABETH HEMPHILL . . .	West Chester, Pa.
DALLETT, ELIJAH JAMES . . .	West Chester, Pa.
DOWDALL, HANNA CHALFANT . . .	Avondale.
ELLIOTT, MARY JONES . . .	Norristown.
FIELD, CHARLES CROMWELL . . .	Brooklyn, L. I.
FRENCH, MARGARET BAVINGTON . . .	Haddonfield, N. J.
GRIFFEN, ALICE LAWRENCE . . .	New York City.
HASLAM, KATIE . . .	Penningtonville.
LEWIS, EDMUND BENZON . . .	West Philadelphia.
LEWIS, EDWARD SIDNEY . . .	West Philadelphia.
LIPPINCOTT, GEORGE . . .	Philadelphia.
LIPPINCOTT, CARRIE . . .	Philadelphia.
MARSHALL, ELIZABETH . . .	Milwaukee, Wis.
MARSHALL, WILLIAM JOHNSON . . .	London Grove.
MELLEN, NATHANIEL . . .	Manitou, Colorado.
MENDENHALL, ANNA . . .	Hamorton.
MUSSER, FRANCIS REBER . . .	Muncy.
MUSSER, WILLIAM WILSON . . .	Lewisburg.
PANCOAST, LAURA PAULINE . . .	Philadelphia.
PARRY, TACIE . . .	Cinnaminson, N. J.
PAULIN, EUGÈNE . . .	Swarthmore.
REECE, LYDIA DAVIS . . .	Media.
ROBBINS, IDA FLORENCE . . .	Boston, Mass.
SEAMAN, HARRY BOWMAN . . .	Brooklyn, L. I.
SCHULTZ, EULA . . .	Ellenville, N. Y.
SMITH, JAMES CHALMERS . . .	Philadelphia.
STORY, HANNA . . .	Attleboro'.
THOMAS, ISAAC BYRON . . .	Cheyney Station.
TRAVILLA, ELIZABETH NEWPORT . . .	West Chester.
TRAVILLA, MARY . . .	West Chester.
WALTER, NELLIE . . .	Englewood, N. J.
WILLIAMS, SUSAN TALBOT . . .	Waterford, Va.
WILSON, LAURA H. . .	Conshohocken.

## CLASS B.

## SCIENTIFIC SECTION.

ALBERTSON, MARY . . .	Norristown.
COCKS, WILLIAM WILLETS . . .	Old Westbury, L. I.
DORON, CHARLES BEDELL . . .	Germantown.
FENIMORE, HENRY DEACON . . .	Lumberton, N. J.

FRENCH, SAMUEL HARRISON . . . .	Philadelphia.
GARRETT, MILTON SAMUEL . . . .	Willistown.
GOULD, JAMES GUSTARD . . . .	Philadelphia.
HAWES, JAMES RUSHES . . . .	Towanda.
HOPPER, GEORGE . . . .	Baltimore, Md.
LANE, DAVIS MORTON . . . .	Philadelphia.
LEEDOM, CHARLES . . . .	Philadelphia.
McLAURIN, JOHN LOUNDES . . . .	Englewood, N. J.
SHARPLESS, JOHN EVES . . . .	Chester.
SMITH, FRANK WARD . . . .	Towanda.
STELWAGON, FRANK MELVILLE . .	Philadelphia.
WILLIAMSON, JOHN NICHOLAS . . .	Jamaica, L. I.

## CLASS C.

BANER, WILLIAM LLEWELLYN . . .	New York City.
BOND, GEORGE GORHAM . . . .	Philadelphia.
BORDEN, FRANK PEW . . . .	Mt. Holly, N. J.
BURNLEY, MICHAEL . . . .	Garrettsford.
DELANO, GEORGE BATEMAN . . . .	Washington, D. C.
DICKSON, FANNIE WALLACH . . . .	New York City.
DOWDALL, WILLIAM FRANCIS . . . .	Avondale.
ELDER, GEORGE REUBEN . . . .	Johnstown.
FOWLER, CHESTER BRADLEY . . . .	Brooklyn, L. I.
GRAY, PETER . . . .	Tiverton, Ontario, C. W.
HALL, JOHN . . . .	Philadelphia.
HANNUM, JOHN ABNER . . . .	West Chester.
HAZELTON, WILLIAM, Jr. . . .	Philadelphia.
HUTCHINSON, JAMES . . . .	Philadelphia.
KATER, SAMUEL . . . .	Media.
KIMMELL, LOUIS J. CUNNINGHAM . .	Philadelphia.
LEWIS, JOHN HOWARD . . . .	Oakdale.
MARSHALL, CHARLES ILSLEY . . . .	Milwaukee, Wis.
MARSHALL, SAMUEL HAGAR . . . .	Milwaukee, Wis.
MELLEN, CHASE HUGO . . . .	Manitou, Colorado.
NICHOLAS, JAMES FORSYTHE . . . .	Roxborough.
PAUL, DAVID . . . .	Wallingford.
PENNOCK, JOHN . . . .	Coatesville.
REEVES, MARY SCULL . . . .	Delaware City, Del.
ROBBINS, ELIZA PARKER . . . .	Boston, Mass.
ROBERTS, DAVID . . . .	Norristown.

RUNYON, ENOS W.	Plainfield, N. J.
SEAMAN, FREDERIC AUGUSTUS	Madison, N. J.
SEAMAN, ANNA	Jericho, L. I.
STOKES, WOOLMAN	Philadelphia.
SWASEY, JOSEPH WADSWORTH	Boston, Mass.
WARRICK, WOODWARD	Glassboro,' N. J.
WHITEMAN, ZOPHAR HOWELL	Philadelphia.
WILKINS, AMOS	Lumberton, N. J.
WILSON, DAISY	Dover, Del.
WOODWARD, GEORGE DANENHOWER	Camden, N. J.
WOOTEN, GEORGE WASHINGTON	Philadelphia.
YOUNG, ALEXANDER DAVISON	Morton.

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## SUMMARY.

Class A.	53
Class B.	56
Class C.	38
Total in Preparatory School,	147

## GENERAL SUMMARY

OF THE

## COLLEGE AND PREPARATORY SCHOOL.

Resident Graduate, . . . . .	1
Seniors, . . . . .	13
Juniors, . . . . .	*6
Sophomores, . . . . .	28
Freshmen, . . . . .	34
Students pursuing irregular or partial courses with the Col- lege Classes, . . . . .	6
Preparatory Students, . . . . .	147
Total, . . . . .	<u>235</u>

## SUMMARY BY STATES.

Pennsylvania, . . . . .	139
New York, . . . . .	33
New Jersey, . . . . .	24
Maryland, . . . . .	8
Delaware, . . . . .	5
Ohio, . . . . .	5
Indiana, . . . . .	4
District of Columbia, . . . . .	3
Wisconsin, . . . . .	3
Massachusetts, . . . . .	3
Colorado, . . . . .	2
Rhode Island, . . . . .	1
Tennessee, . . . . .	1
Texas, . . . . .	1
Virginia, . . . . .	1
Ontario, Canada, . . . . .	1
Rio Janerio, S. A., . . . . .	1
Total, . . . . .	<u>235</u>

\*Expelled 3.

*N.B.— This footnote and alteration of figures was unauthorised. Pages 39-42 were in consequence torn from the entire edition before distribution.*



MINUTES

OF THE

TWELFTH ANNUAL MEETING

OF THE

STOCKHOLDERS

OF

SWARTHMORE COLLEGE,

HELD

TWELFTH MONTH, SEVENTH,

1875.





## MINUTES.

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At the Twelfth Annual Meeting of the Stockholders of Swarthmore College, held at Race Street Meeting House, Philadelphia, Twelfth mo. 7th, 1875, according to public notice given as required by the charter.

The Minutes of the last Annual Meeting were read and approved.

The terms of office of the following managers expired at this time :

John D. Hicks,	Hannah W. Haydock,
Robert Willets,	Anna M. Ferris,
Joseph Wharton,	Mary T. Longstreth,
M. Fisher Longstreth,	Henry C. Hallowell.

To nominate the officers of the Corporation required by the Charter, viz.: two Clerks and a Treasurer to serve for the ensuing year, and eight Friends, who are Stockholders, to fill the vacancies in the Board of Managers, the following were appointed :

Clement M. Biddle, Dillwyn Parrish, Henry M. Laing, Jas. S. Hulme, Isaac H. Cocks, Clement Biddle, Eliza H. Bell, Annie Cooper, Susan M. Parrish, Annie M. Needles, Emmor Roberts.

The report of the Board of Managers was read, accepted and approved.

The Nominating Committee, having withdrawn for a time, submitted the following nominations:

### CLERKS FOR ONE YEAR,

ISAAC H. CLOTHIER,	SARAH F. CORLIES.
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### MANAGERS FOR FOUR YEARS,

JOHN D. HICKS,	HANNAH W. HAYDOCK,
ROBERT WILLETS,	ANNA M. FERRIS,
JOSEPH WHARTON,	MARY T. LONGSTRETH,
M. FISHER LONGSTRETH,	HENRY C. HALLOWELL.

### TREASURER,

ROBERT BIDDLE.

To serve as Inspectors of the Election, Thomas H. Speakman, Edmund Webster and Isaac H. Cocks, were appointed.

An election by ballot was held, and the Inspectors reported the above officers elected, without opposition.

The Board of Managers informed that they had elected James V. Watson a member of the Board, to fill the vacancy occasioned by the resignation of Franklin Shoemaker, for the unexpired term of three years; also, that they had elected Anna M. Hunt to fill the vacancy occasioned by the resignation of Rachel M. Biddle, for the unexpired term of one year.

The following change in the Constitution was proposed for consideration next year, and the clerks were directed to give the required notice to the stockholders :

Change the first sentence in article 2d to read as follows :

“ The Annual Meeting of the Stockholders shall be held at such time and place as may be stated in the By-Laws.”

On motion the former Treasurer was directed to hand over the books and moneys in his possession to the newly elected Treasurer.

Then adjourned.

ISAAC H. CLOTHIER, }  
SARAH F. CORLIES. } *Clerks.*

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## MANAGERS' REPORT.

The Managers take great pleasure in reporting to the Stockholders that Swarthmore has completed another successful year, and has entered upon the seventh year of its existence under most favorable auspices. Notwithstanding the pressure of the times we can again repeat the words of the last report, that the financial crisis which has produced so marked an effect upon the fashionable and expensive schools throughout the country has but slightly affected our current receipts. Increasing stability characterizes the institution, but few changes having been made in the general plan of organization, and the corps of Professors and Instructors remaining nearly the same as last year.

The whole number of students in the College and Preparatory School for the present year is 238. They are classified as follows:

Resident Graduates . . . . .	1
Seniors . . . . .	13
Juniors . . . . .	9
Sophomores . . . . .	28
Freshmen . . . . .	40
Preparatory School, Class A . . . . .	53
“ “ Class B . . . . .	56
“ “ Class C . . . . .	38

As announced the Third Division of Class C has now been dropped, and the size of this class, in proportion to the whole number in attendance, is considerably smaller than heretofore. The increased age and advancement of the students entered for this year render it probable that in a very few years this class can be dispensed with altogether.

To this end the various Friends' Schools now being established throughout the country are likely to contribute, as there is a prospect of completing, at an early day, a regular organization of these schools, with courses of study so arranged that those students who desire to do so will be prepared to enter the Freshman class of the College. This will enable many friends to keep their children at Swarthmore to complete the course and graduate; and this in its turn will have an excellent effect upon the Preparatory Schools themselves, as they can more readily obtain well educated teachers from among the graduates of Swarthmore, teachers familiar not only with the course laid down for these schools, but also with that required in the College. No surer means can be taken to increase the usefulness of our College, and make it fully subserve the important end for which it was established, than encouraging among Friends everywhere, properly organized Preparatory Schools.

An arrangement has now been made to confer the degree of Bachelor of Literature upon those students who shall have completed our modern classical course; that is, a course of study in which the Ancient languages may be omitted, a fuller course in French and German, English and Anglo-Saxon taking their place. In this course at least one year's Latin is encouraged, though it will not be required to obtain the degree. This change will open the way for many who do not wish to study the Ancient languages, and whose

tastes and inclinations do not attract them to the study of the full scientific course. Since the opening of the College, several young women have left us without completing their studies, who would almost certainly have stayed to graduate had this arrangement then existed. The plan proposed is not without precedent: Cornell has such a degree for such a course, except that the one year's Latin, instead of being advisory as with us, is made obligatory; and the University of Minnesota also gives this degree for a corresponding course.

An additional inducement for young women in particular to take a full course of study with us, is the constantly increasing demand for those who are thus educated, to fill important positions in our newly established Friends' Schools.

Anson Lapham, of Skeneateles, New York, has, during the past year, purchased two perpetual scholarships, for which he has paid the sum of \$10,000, which will be found acknowledged in the Treasurer's Report.

Our friend Deborah F. Wharton has recently placed in the hands of the Committee on Trusts, Endowments and Scholarships, bonds to the amount of \$5000, the interest of which is to be used to reduce the expenses of education for young persons whose circumstances are limited, especially those intending to teach in Friends' schools. This, with other donations previously received, enables the College to take several students at a reduced rate; and it is hoped that additional funds will be placed at the disposal of this committee for educational assistance. It will be found to be one of the richest in results of any of the means yet tried to advance permanently the interests of higher education in our Society.

The attention of the Stockholders is directed to the increasing need of the College in the Department of Physics. It will doubtless be remembered that this subject has claimed attention in several of our previous reports. A Physical Laboratory and a Work Shop have been in contemplation from the beginning. A temporary change in the gymnasium, now being effected, will supply this need until proper and permanent provision can be made. A large and increasing number of our students are turning their attention to a preparation for scientific and industrial pursuits. To meet the wants of this department, a separate building will be required, fully equipped with all the modern appliances for the pursuit of scientific studies and original investigations.

The Library has been increased during the past year, chiefly by the addition of such works of reference as have been found most essential in the different departments. A large Library Room has been fitted up and prepared for the reception of books; and in the selection of these great care is taken to add those which will be of permanent value. A large and well selected library is of prime necessity in every literary institution. It is not a mere luxury, to be added when means permit it, but the very life of the institution is dependent upon it. We cannot better express our deep conviction of the need of this invaluable aid in all literary work than by quoting the following words of Taylor Lewis:—"A large library is an indispensable requisite for a College. It should be the chief attraction for all its better class of students; but it should be a bibliotheca indeed, not a mere circulating library filled with the transient literature of the day. It should contain the most rare and the most precious productions of past ages. It should represent the world in space and time. It should be a place for study and for writing, furnished with every accommodation for those purposes, with its regular hours of the day and evening, during which all should have access to its advantages for reading and for conversation, but with no license for withdrawing books from their places of security." That our library may reach this ideal condition as soon as possible should be our constant aim.

The Friends' Historical Library, founded by Anson Lapham, has grown somewhat since our last report, and, in addition to the books contributed, it has been furnished with several interesting historical pictures by a friend of the library and of the College. There is yet ample room upon its shelves for a large increase of Friends' books and works connected with the history of the society. All books and other objects presented to this Library will be properly accredited and arranged in a fire-proof room devoted exclusively to this purpose, and it is hoped that, by continued contributions, the collection will become more valuable and interesting from year to year.

The nucleus of a Students' Library has been formed by the four literary and scientific societies of the College, and they have recently been furnished with cases in which to deposit the books which they contribute. In the course of a few years this Students' Society Library will doubtless become an important and interesting portion of the educational facilities of the college.

A course of lectures upon the History of Art, or History as Illustrated by Works of Art, was delivered during the past winter, in addition to the lectures provided in connection with the regular courses of study, and referred to in the last report. Various other lectures upon different subjects have also been delivered during the year, the expenses of which have been defrayed out of the library fund.

The change in the system of teaching Free-hand Drawing, referred to in the last report, has been carried out successfully during the present year, and drawing is now required of all the students in the Preparatory School. The great value and growing importance of this study are too obvious and well known to need to be enlarged upon in this report.

The Museum of Natural History has been steadily increasing under the care and direction of Dr. Joseph Leidy, who continues his lectures as heretofore in this department. It is believed that there are few if any collections in the country, of the same size, so eminently practical, the object from the first having been so to select and arrange the specimens deposited as best to furnish the means of illustration in all the departments of Natural History, and not to make it a mere collection of curiosities.

We reiterate in this report, our judgment upon the experiment of the co-education of the sexes, which has been carried out so thoroughly and so successfully at Swarthmore from the beginning. There is but one opinion among those familiar with the daily working of the college, and that is decidedly favorable to the system. Indeed the wonder, among all familiar with the internal affairs of Swarthmore for the past six years, is that any objection can be raised to a system so natural and so fruitful in good results. Character, refinement of manners, scholarship, culture in the best and highest sense, morals, all those things which go toward making life truer, nobler, purer, better and more worth the living, are developed and strengthened by it. Co-education has certainly proved, with us, all that its most ardent friends and supporters hoped for it in the beginning; and, we have long since ceased to regard it in the light of an experiment.

The gymnasium has been refitted and lighted for exercise in the evening since the last report. It is well managed, and is answering admirably the purposes for which it was erected. It has been used during most of the year, at stated periods, by the girls, in separate classes.

There has been no serious sickness since the last report, and since the opening in Ninth month last the health of the students has been excellent, the nursery having been almost entirely without occupants. The regular hours observed in retiring and rising, and in taking their meals, the excellent quality of the food provided, the periodical and systematic exercise in the gymnasium and in the open air, and the careful adjustment of their studies to prevent overwork, are among the efficient means taken at Swarthmore to secure this desirable result. In the matter of health, there is no necessity whatever for making any distinction of sex, that of the girls and boys, and of the young men and young women having been so nearly the same, upon an average, that there is no appreciable difference between the sexes in this respect.

It has been a source of great satisfaction to observe that the fundamental principles of our religious society are rendered familiar to the students of Swarthmore, both by precept and example, and made the basis of the system of general management there pursued. All are encouraged to manifest that spirit of peace and good will so eminently characteristic of Him who is our great exemplar, a spirit recognized in the *name* by which our religious organization is known to the world. The government at Swarthmore is mild and parental; a government of influence rather than of authority. Increasing care is taken to deal with offenders in the spirit required by our discipline, and with the most beneficent results. The students are thus taught gentleness, forbearance and forgiveness of injuries; and that this teaching is not without its legitimate fruit, all familiar with the bearing of the students of Swarthmore, both toward their instructors and toward one another, will bear abundant testimony. A larger proportion of our instructors than heretofore, are members of our religious society. Several of these are graduates of the College, and have shown by their work, and by the general influence which they exert upon their classes, the excellent effect of the training which Swarthmore affords.

Numerous and important material improvements have been made since last year. Indeed, no previous year since the opening of the College has been characterized by so much progress in these respects. Some of these changes were begun at the time of the last annual meeting, and have since been completed, while others have been commenced and carried out during the course of the year. Among the most important of these improvements are the following:

The negotiation for the purchase of the West Dale property, pending at the time of the last report, has been completed. The sum of \$26,000 has been paid for this property, and for repairing the house, and fitting it up as the residence of two of our Professors. Of this sum, \$18,000 have been contributed by the friends of the College. About \$800 have also been expended in the improvements of the farm. The President's house has been completed, and is now occupied by his family. About \$11,000 have been expended in the erection of this house and the laying out of the adjacent grounds. New gas works have been constructed during the year, and are now in successful operation, furnishing the College with gas fully equal to that of any of our cities; these works, and the changes in the college needed in consequence, required the expenditure of about \$11,000. During the past summer vacation the oiling, painting, carpeting, and additional furnishing in the college, cost about \$4000. The changes in, and additions to the library, already referred to, including the fitting up of the students' library, have cost over \$1000. It will thus be seen that during the past year large sums have been expended in what may be regarded as permanent improvements of the College property. We have been enabled to make this large outlay principally through the liberality of interested friends, who have always been found ready in time of need.

While the receipts of the College for the past year have fully paid the current expenses, in the same sense in which that statement has been made in the previous reports, it should always be borne in mind that this cannot be said to be strictly the case unless the receipts are sufficient to furnish a fund for repairs, and also to enable the College to make successive improvements in the means of teaching and illustrating the several departments. The building and the furniture, through the constant care and oversight of the building and furnishing committees, have been kept in thorough and excellent repair: the high ground upon which the College has always stood in these respects, should characterize it in all of the departments.

In conclusion, we must not lose sight of the fact that the permanency of the institution, as a seat of liberal learning, depends largely upon its being so completely equipped with all of the facilities for instruction as to enable it to keep fully up to the ever increasing demands of the age in which we live. To this end, and to aid in

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the education of those Friends (especially if designing to teach) whose circumstances do not permit them to enjoy the advantages of a full course at Swarthmore, it is hoped that the friends of the College will see the necessity of establishing a large permanent endowment fund at an early day.

## TREASURER'S REPORT.

HUGH McILVAIN, *Treasurer, in account with Swarthmore College.*

## D.R.

To amount collected from Clement M. Biddle, Treasurer,		
on account of Tuition, . . . . .	\$25,533.65	
Received for Tuition to date, . . . . .	81,555.63	
	<hr/>	107,089.28
To amount received from Anson Lapham, for two Per-		
petual Scholarships, . . . . .		10,000.00
" for Sale of Stock, . . . . .		6,150.00
" from C. M. Biddle for Special Ac-		
counts, . . . . .	2,326.53	
" C. M. Biddle, S. Willets' Fund, . . . . .	4,118.25	
	<hr/>	6,444.78
To amount received for Interest on S. Willets' Fund, . . . . .		172.44
Donations received, . . . . .		11,050.00
from Committee on Endowments, . . . . .		140.00
Interest on Ground Rents, I. V. W., . . . . .		454.50
Rent received, . . . . .		40.00
from Estate of W. Dorsey, . . . . .		10.00
		<hr/>
		\$141,551.00

## C.R.

By amount paid on account S. Willets' Fund, . . . . .		581.60
" Tuition, . . . . .		85,151.54
" President's House, . . . . .	2,616.61	
" West House, improvements, . . . . .	6,070.34	
" New Barn, . . . . .	360.00	
for Painting Old Barn, . . . . .	57.80	
for Gas Works, . . . . .	8,700.00	
for Insurance, . . . . .	375.00	
on account Museum, . . . . .	200.00	
Seth Hance, Loan Returned, . . . . .	5,000.00	
for Westdale Farm, . . . . .	20,200.00	
S. Underhill Fund Invested, . . . . .	2,006.47	
	<hr/>	45,586.22
Cash on hand, . . . . .		10,231.64
		<hr/>
		\$141,551.00

We have examined the above account of Hugh McIlvain, Treasurer, compared it with his vouchers and find it correct,

M. FISHER LONGSTRETH,  
EDWARD TAYLOR,

*Auditors.*

PHILADELPHIA, 12th month 7th, 1875.

# CHARTER.

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## *An Act to Incorporate Swarthmore College.*

SECTION 1. Be it enacted by the Senate and House of Representatives of the Commonwealth of Pennsylvania in General Assembly met, and it is hereby enacted: That James Martin, James M. Ogden, Ezra Michener, Mahlon K. Taylor, Thomas Ridgway, James Mott, Dillwyn Parrish, William W. Longstreth, William Dorsey, Edward Hoopes, William C. Biddle, Joseph Powell, Joseph Wharton, John Sellers, Clement Biddle, P. P. Sharpless, Edward Parrish, Levi K. Brown, Hugh McIlvain, Franklin Shoemaker and their associates and successors forever be, and they are hereby made and constituted a body politic and corporate, under the corporate title of Swarthmore College, and under that name shall have perpetual succession, and are hereby empowered, and made capable in law, to purchase, take, hold, and enjoy to them and their successors, lands, tenements, and hereditaments, stock, goods, chattels, and effects; *provided*, the clear annual value thereof shall not exceed thirty thousand dollars; and to sell, demise, convey, assure, transfer, and dispose of their estate or interest therein, and also to improve and augment, and apply the same, with the rents, issues, profits, and income thereof, to the purposes of their institution; and the said corporation, by the name aforesaid, shall and may sue and be sued, plead and be impleaded, answer and be answered, defend and be defended, in all courts of law and equity, and shall have power to make, have, and use a common seal, and the same to change, alter, and renew at their pleasure, and also to make and execute such by-laws, ordinances, and regulations, not contrary to the laws and constitution of this Commonwealth, as to them shall seem meet.

SECTION 2. That the said corporation be authorized to establish and maintain a school and college, for the purpose of imparting to persons of both sexes knowledge in the various branches of science, literature, and the arts, and the Board of Managers shall have power to confer upon the graduates of the said college, and upon

others, when, by their proficiency in learning, they may be entitled thereto, such degrees as are conferred by other colleges or universities in the United States.

SECTION 2. That the capital stock of the said corporation shall be fifty thousand dollars, divided into two thousand shares of twenty-five dollars each, with the privilege to increase the same from time to time to a sum not exceeding three hundred thousand dollars, and the said school or college may go into operation when the sum of fifty thousand dollars has been subscribed, and the stock shall be transferable in conformity with the rules and by-laws of the corporation. The meetings shall be held annually: twenty-five stockholders shall form a quorum, and special meetings may be called by the Managers at their discretion, and notice shall be given of the annual and special meetings of the corporators, at least ten days previous to the time at which they are to be held, by advertisement in three daily newspapers, one published in the city of New York, one in the city of Philadelphia and one in the city of Baltimore; the officers of the corporation shall be two clerks, a treasurer, and thirty-two managers, all of whom shall be members of the religious society of Friends, and shall be chosen by ballot from among the Stockholders at their annual meeting; but in case of failure to elect the officers at the stated time, those in office shall continue until others are chosen. The clerks shall be *ex officio* members of the Board of Managers, and eleven members shall constitute a quorum for the transaction of business. The government and direction of the said school and college, the appointment and employment of professors and other officers concerned therewith, and the general management of the affairs of the College, shall be entrusted to the Board of Managers, who shall have power to enact such rules and regulations, not inconsistent with the constitution and amendments thereto, adopted by the corporators, as they shall see fit.

Signed,

HENRY C. JOHNSON,  
*Speaker of the House of Representatives.*

JOHN P. PENNEY,  
*Speaker of the Senate.*

Approved the first day of April, A.D. 1864.

A. G. CURTIN,  
*Governor.*

## A SUPPLEMENT

To "An Act to incorporate Swarthmore College," authorizing an increase of Capital Stock.

SECTION 1. Be it enacted by the Senate and House of Representatives of the Commonwealth of Pennsylvania in General Assembly met, and it is hereby enacted by the authority of the same: That the Board of Managers shall consist of thirty-two Managers, who shall choose a President and Secretary from their own number, and said officers shall affix the corporate seal and attest all documents as may be directed by the Board of Managers.

SECTION 2. That the capital stock of said corporation may be increased so as to amount in the whole to five hundred thousand dollars, and the said Managers may borrow money on bonds, to be secured by mortgage on the real estate of the corporation to trustees for the bondholders, to an amount not exceeding one hundred thousand dollars.

SECTION 3. That women, single or married, may be members of said corporation and Managers thereof,

B. B. STRANG,

*Speaker of the House of Representatives.*

CHARLES H. STINSON,

*Speaker of the Senate.*

Approved the fourteenth day of April, Anno Domini one thousand eight hundred and seventy.

JOHN W. GEARY.

OFFICE OF THE SECRETARY OF THE COMMONWEALTH,  
HARRISBURG, April 30. A.D. 1870.

PENNSYLVANIA, ss.:



I DO HEREBY CERTIFY, That the foregoing and annexed is a full, true, and correct copy of the original Act of the General Assembly, entitled "A Supplement to 'An Act to incorporate Swarthmore College,' authorizing an increase of capital stock," as the same remains on file in this Office.

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused the Seal of the Secretary's Office to be affixed, the day and year above written.

J. M. WEAKLY,

*Deputy Secretary of the Commonwealth.*



# CONSTITUTION

OF

## SWARTHMORE COLLEGE.

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ARTICLE I.—The capital stock shall be fifty thousand dollars, which may be increased from time to time to any sum not exceeding three hundred thousand dollars, to be divided into shares of the value of twenty-five dollars each, transferable on the books of the Association only with the consent of the Board of Managers.

ARTICLE II.—The annual meeting of the Stockholders shall be held on the first Third-day in the Twelfth month, at three o'clock P.M., in the city of Philadelphia. A clerk and assistant clerk, who shall be *ex-officio* members of the Board of Managers, shall be appointed at each annual meeting, who shall make and preserve regular minutes of the proceedings, subject to the adoption of the meeting at the time. Special meetings may be called by the clerks, at the written request of any twenty Stockholders.

ARTICLE III.—The management of the institution shall be under the direction of thirty-two managers, sixteen of each sex, who shall be elected at an annual meeting, under the care of three inspectors, to be appointed at the time. Eight of said managers shall be elected for one year, eight for two years, eight for three years, and eight for four years.

The term of service for each manager shall be decided by mutual agreement among themselves, and eight members shall be elected to serve for four years, annually thereafter. They shall have power to fill any vacancy that may occur in their Board. They shall all be Stockholders and members of the Society of Friends, and an equitable proportion of them shall belong to each of the Yearly Meetings of Philadelphia, Baltimore, and New York, and other Yearly Meetings the members of which subscribe to the stock,

The election of managers shall be by ballot, and votes by proxy shall be received, each Stockholder having one vote; and a majority

of votes so cast shall determine the election, and also all other subjects voted upon.

Provided, that all questions affecting the purchase of real estate, or location of the College, the removal of the same after location, or the sale of the whole or any portion of the real estate, shall be decided only at a stated or special meeting, by a majority of the votes cast, each share being entitled to one vote ; and no such purchase, sale, or transfer of the real estate shall be made without having been proposed at a stated or special meeting held at least three months previously.

And further provided, that no alteration to this Constitution shall be made except at a stated meeting of the Stockholders, by a vote in its favor, either in person or by proxy, of the majority of all the stock.

Notice of any proposed change in the Constitution shall be given at the annual meeting and decided upon at the next annual meeting ; the said proposed change shall be placed in full upon the minutes, and each Stockholder shall be notified thereof.

Should the Stockholders fail to elect at any annual meeting, the managers of the previous year shall continue in office until successors are elected.

ARTICLE IV.—The Board of Managers shall appoint their own officers, and frame by-laws for their government, subject to the approval of the Stockholders.

When the amount of capital stock is subscribed and paid in, they shall provide for the purchase, erection, furnishing, and future management of the College.

No contract for real estate, building, or furnishing the institution shall be entered into unless the money for the same be in the hands of the Treasurer, and they shall at no time incur expenses in its management beyond the available resources of the current six months.

The Treasurer of the College shall collect, receive, and hold the funds subject to the order of such committees or officers as they may authorize to draw upon him, and they shall audit and settle his accounts at least twice every year.

They shall make full reports of their proceedings to the members at the annual meeting of the Stockholders, and a printed copy of their report shall be furnished to each of the members.



# BY-LAWS.

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## LAW I.

### MEETINGS.

THERE shall be five stated meetings of the Board annually ; on the Second Third-day in Second and Ninth months, on the day preceding the Commencement, on the day preceding and on the adjournment of the Annual meeting of the Stockholders. Special meetings shall be called by the Secretary when requested by five members. Eleven members constitute a quorum.

## LAW II.

### OFFICERS AND COMMITTEES.

A President of the Board of Managers, Secretary, Auditors, Finance Committee, Building Committee, Instruction Committee, Committee on Museum, Committee on Anson Lapham Repository, and an Executive Committee, shall be appointed annually at the meeting succeeding the annual meeting of Stockholders ; and should none be appointed at that time, those previously appointed shall continue to fulfil the several duties prescribed until others are duly appointed. All the other committees shall be authorized to report to the Executive Committee.

## LAW III.

### THE PRESIDENT.

The President shall preside at the meetings of the Board and decide all questions of order.

## LAW IV.

### THE SECRETARY.

The Secretary shall keep regular minutes of the meetings of the Board, as adopted at the time ; shall notify the members of the time

and place of meeting, inform committees of their appointment, and act, under direction of the Board, in all matters pertaining to the office. He shall be *ex officio* a member of the Executive Committee.

## LAW V.

### THE TREASURER.

The Treasurer shall hold the funds belonging to the Corporation, subject to the disposition of the Board ; shall sign the certificates of stock, and shall issue these, on demand, to all subscribers who have paid their instalments in full. In the investment of the funds he shall be guided by the advice and direction of the Finance Committee. He shall report to the Board at the stated meetings in the Ninth and Twelfth months.

## LAW VI.

### THE FINANCE COMMITTEE.

The Finance Committee shall draw all orders on the Treasurer for expenses authorized by minute of the Board, and the orders shall not be valid without the signatures of at least two of this Committee. They shall also advise with and direct the Treasurer in regard to the investment of the funds of the corporation.

## LAW VII.

### THE AUDITORS.

The Auditors shall audit the accounts of the Treasurer twice in the year, immediately previous to the time of his reports, to which they shall append the result of their audits.

## LAW VIII.

### THE EXECUTIVE COMMITTEE.

This Committee shall consist of sixteen members, who shall have the general supervision of the College, etc., during the recess of the Board of Managers, and, subject to its approval, shall decide upon such appointments of Professors and Teachers as may become necessary.

They shall also appoint such employées as may, in their judgment, be required.

They shall render the Faculty such aid as may be in their power in relation to instruction and discipline, and report their proceedings to each stated meeting of the Board of Managers.

## LAW IX.

### THE FACULTY.

The President, Matron, and such of the resident Professors and others as may be elected by the Board, shall constitute the Faculty, and shall hold regular meetings, arrange the course of study, determine the qualifications for admission into the several departments and classes, and for graduation, decide upon rules of order, and determine all questions pertaining to the discipline or instruction, subject to the approval of the Executive Committee, to whom they shall report monthly.

## LAW X.

### ANNUAL REPORT.

The President and the Executive Committee shall frame the Annual Report to the Stockholders, which shall be submitted to the Board for approval at the meeting immediately preceding the annual meeting.

## LAW XI.

### COMMITTEE ON TRUSTS, ENDOWMENTS, AND SCHOLARSHIPS.

The Managers shall appoint five of their number to constitute the Committee on Trusts, Endowments, and Scholarships, to hold office three years, or during the pleasure of the Board.

It shall be the duty of the Committee to receive, invest in the name of the College, and hold in their custody, all sums of money, stocks, mortgages, and other property that may be given or bequeathed to Swarthmore College for General Endowments, for Special Endowments, or for Educational Endowments.

The Board of Managers shall direct the application of the interest of each of these funds: of General Endowments, to the general purposes of the College; of Special Endowments, to the particular purpose for which the Fund was given; and of Educational Endowments, to the aid of those who would otherwise be excluded, by their limited means, from enjoying the advantages of an education at this College.

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## SCHOLARSHIPS.

A donation to the College of the sum of five thousand dollars, to be held by this Committee, shall found a scholarship in perpetuity, in the gift of the donor, and of his legal heirs, or of any assignee approved by the Board of Managers.

Nominations under perpetual Scholarships shall be subject to the same limitations and restrictions as are placed on nominations under Scholarships for limited periods.

SCHOLARSHIP FOR TWO LIVES.—Any person giving to the College the sum of Four Thousand dollars, to be held by this Committee, shall have the privilege of nominating, during his or her lifetime, one student, who, when approved, shall be admitted, subject to all the rules and regulations of the College, and shall be entitled to board and tuition without charge.

When from any cause such student's attendance at the College ceases, another may be nominated, and the privilege of nomination shall be extended under such Scholarship to one successor, provided such successor shall be duly appointed by the donor during his or her lifetime.

On the death of the successor, the principal sum of Four Thousand dollars shall merge into the General Endowment Fund.

The College, however, in all cases of Scholarships, whether perpetual or otherwise, reserves to itself the right at any time to return the principal sum to any donor, or his legal representatives, whose right shall thereupon cease and determine.

This Committee shall make a full report, including an audited statement of investments, and of its Treasurer's account, to the Board of Managers at the meeting preceding the annual meeting of the Stockholders.

The interest is to be paid to the Treasurer of the College as received by this Committee.

## LAW XII.

## ALTERATIONS AND AMENDMENTS.

These By-Laws may be altered or amended at any meeting of the Board next preceding the annual meeting, notice of such change having been given at a previous stated meeting.

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# GRADUATES.

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## CLASS OF 1873.

SARAH HALL ACTON, A.B.	Salem, N. J.
HELEN MAGILL, A.B.	Boston University, Boston, Mass
ELIZABETH CLARKE MILLER, A.B.	Swarthmore College.
HETTY TOWNSEND MOORE, A.B.	Swarthmore College.
LYDIA MARIA CHILD PIERCE, A.B.	Swarthmore College.
LOWNDES TAYLOR, A.B.	West Chester, Pa.

## CLASS OF 1874.

ELLEN H. EVANS, A.B.	West Chester, Pa.
AMY WILLIAMS HALL, A.B.	Swarthmore, Pa.
*ALFRED TREDWAY HAVILAND, B.S.	Millbrook, N. Y.
MARY HIBBARD, A.B.	Philadelphia, Pa.
HERMAN HOOPES, B.S.	Philadelphia, Pa.
FERRIS WALTON PRICE, A.B.	Philadelphia, Pa.
ELIZABETH STOCKTON WOOLSTON, A.B.	Bristol, Pa.

## CLASS OF 1875.

JOHN BROOMALL BOOTH, A.B.	Swarthmore College.
HELEN TRUMP COMLY, A.B.	Swarthmore College.
FRANKLIN HAINES CORLIES, B.S.	Philadelphia, Pa.
HERBERT GEORGE DOW, A.B.	Cambridge, Mass.
LIZZIE HANES TAYLOR, A.B.	Woodstown, N. J.
EDITH ROBINSON HOOPER, A.B.	Titusville, Pa.
BARTON HOOPES, Jr., B.S.	Philadelphia, Pa.
OLIVER KEESE, JR., B.S.	Titusville, Pa.
JOHN REECE LEWIS, B.S.	Media, Pa.
HOWARD WHITE LIPPINCOTT, A.B.	Philadelphia, Pa.
MARTHA MCILVAIN, A.B.	Philadelphia, Pa.
JOHN KELVEY RICHARDS, A.B.	Cambridge, Mass.
WILLIAM HANCE RIDGWAY, B.S.	Coatesville, Pa.

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\*Deceased.



# COMMITTEE

ON

## Trusts, Endowments and Scholarships.

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SAMUEL WILLETS, 303 Pearl Street, N. Y.

JOSEPH WHARTON, P. O. Box 2786, Philadelphia.

EDWARD HOOPES, 1534 Arch Street, Philadelphia.

DANIEL UNDERHILL, Jericho, L. I.

CLEMENT M. BIDDLE, Secretary and Treasurer,

511 Commerce Street, Philadelphia.

